

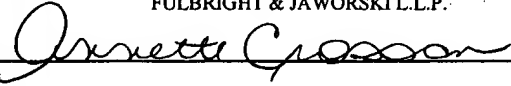
1642

VIA FIRST CLASS MAIL

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FULBRIGHT &amp; JAWORSKI L.L.P.

By

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s) : JAGER, et al.

Serial No. : 09/451,739

Filed : November 30, 1999

For : ISOLATED NUCLEIC ACID MOLECULES ENCODING  
CANCER ASSOCIATED ANTIGENS, THE ANTIGENS  
PER SE, AND USES THEREOF

Group Art Unit : 1642

Examiner : G. Nickol

October 4, 2001

Hon. Commissioner of Patents  
and Trademarks  
Washington, D.C. 20231

**LETTER**

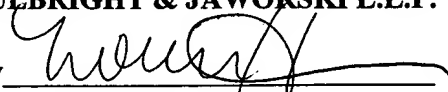
In response to the office action of September 25, please replace the paper copy of the sequence listing and CRF of same with the attached.

The undersigned hereby declares that to the best of his knowledge, the information presented on the attached paper copy of sequence listing and computer readable form thereof are identical to each other and to information set forth in the above referenced patent application as filed. No new matter is believed presented.

Respectfully submitted,

FULBRIGHT &amp; JAWORSKI L.L.P.

By



Norman D. Hanson

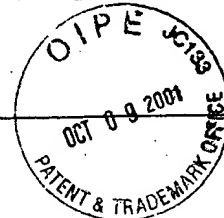
Reg. No. 30,946

666 Fifth Avenue  
New York, New York 10103  
(212) 318-3000

#25079772v1&lt;IPT&gt; -PTO ltr. encl. sequence listing.wpd

**DISK TO STIC**

DATE:



**NOTICE TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICATIONS CONTAINING  
NUCLEOTIDE SEQUENCE AND/OR AMINO ACID SEQUENCE DISCLOSURES**

Applicant must file the items indicated below within the time period set the Office action to which the Notice is attached to avoid abandonment under 35 U.S.C. § 133 (extensions of time may be obtained under the provisions of 37 CFR 1.136(a)).

The nucleotide and/or amino acid sequence disclosure contained in this application does not comply with the requirements for such a disclosure as set forth in 37 C.F.R. 1.821 - 1.825 for the following reason(s):

- ☒ 1. This application clearly fails to comply with the requirements of 37 C.F.R. 1.821-1.825. Applicant's attention is directed to the final rulemaking notice published at 55 FR 18230 (May 1, 1990), and 1114 OG 29 (May 15, 1990). If the effective filing date is on or after July 1, 1998, see the final rulemaking notice published at 63 FR 29620 (June 1, 1998) and 1211 OG 82 (June 23, 1998).
- ☐ 2. This application does not contain, as a separate part of the disclosure on paper copy, a "Sequence Listing" as required by 37 C.F.R. 1.821(c).
- ☐ 3. A copy of the "Sequence Listing" in computer readable form has not been submitted as required by 37 C.F.R. 1.821(e).
- ☒ 4. A copy of the "Sequence Listing" in computer readable form has been submitted. However, the content of the computer readable form does not comply with the requirements of 37 C.F.R. 1.822 and/or 1.823, as indicated on the attached copy of the marked -up "Raw Sequence Listing."
- ☐ 5. The computer readable form that has been filed with this application has been found to be damaged and/or unreadable as indicated on the attached CRF Diskette Problem Report. A Substitute computer readable form must be submitted as required by 37 C.F.R. 1.825(d).
- ☐ 6. The paper copy of the "Sequence Listing" is not the same as the computer readable form of the "Sequence Listing" as required by 37 C.F.R. 1.821(e).
- ☐ 7. Other:

**Applicant Must Provide:**

- ☒ An initial or substitute computer readable form (CRF) copy of the "Sequence Listing".
- ☒ An initial or substitute paper copy of the "Sequence Listing", as well as an amendment directing its entry into the specification.
- ☒ A statement that the content of the paper and computer readable copies are the same and, where applicable, include no new matter, as required by 37 C.F.R. 1.821(e) or 1.821(f) or 1.821(g) or 1.825(b) or 1.825(d).

For questions regarding compliance to these requirements, please contact:

For Rules Interpretation, call (703) 308-4216

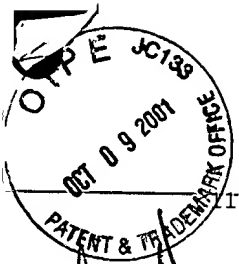
For CRF Submission Help, call (703) 308-4212

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OCT 12 2001  
TECH CENTER 1600/2900

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Scanlan, Matthew  
Gure, Ali  
Jager, Elke  
Knuth, Alexander  
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Chen, Yao-tseng

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Thr Phe Lys Ala Glu Pro Pro Glu Lys Pro Ser Ala Phe Glu Pro Ala  
20 25 30

Ile Glu Met Gln Lys Ser Val Pro Asn Lys Ala Leu Glu Leu Lys Asn  
35 40 45

Glu Gln Thr Leu Arg Ala Asp Glu Ile Leu Pro Ser Glu Ser Lys Gln  
50 55 60

Lys Asp Tyr Glu Glu Ser Ser Trp Asp Ser Glu Ser Leu Cys Glu Thr  
65 70 75 80

Val Ser Gln Lys Asp Val Cys Leu Pro Lys Ala Thr His Gln Lys Glu  
85 90 95

Ile Asp Lys 100 Ile Asn Gly Lys Leu Glu Glu Ser Pro Asp Asn Asp Gly 110  
 Phe Leu Lys 115 Ala Pro Cys Arg Met Lys Val Ser Ile Pro Thr Lys Ala 125  
 Leu Glu Leu Met 130 Asp Met Gln Thr Phe Lys Ala Glu Pro Pro Glu Lys 140  
 Pro Ser Ala Phe 145 Glu Pro Ala Ile Glu Met Gln Lys Ser Val Pro Asn 160  
 Lys Ala Leu Glu 165 Leu Lys Asn Glu Gln Thr Leu Arg Ala Asp Gln Met 175  
 Phe Pro Ser 180 Glu Ser Lys Gln Lys Lys Val Glu Glu Asn Ser Trp Asp 190  
 Ser Glu Ser 195 Leu Arg Glu Thr Val Ser Gln Lys Asp Val Cys Val Pro 205  
 Lys Ala Thr His 210 Gln Lys Glu Met Asp Lys Ile Ser Gly Lys Leu Glu 220  
 Asp Ser Thr Ser 225 Leu Ser Lys Ile Leu Asp Thr Val His Ser Cys Glu 240  
 Arg Ala Arg Glu 245 Leu Gln Lys Asp His Cys Glu Gln Arg Thr Gly Lys 255  
 Met Glu Gln Met 260 Lys Lys Lys Phe Cys Val Leu Lys Lys Lys Leu Ser 270  
 Glu Ala Lys Glu 275 Ile Lys Ser Gln Leu Glu Asn Gln Lys Val Lys Trp 285  
 Glu Gln Glu Leu Cys Ser 290 Val Arg Leu Thr Leu Asn Gln Glu Glu Glu 300  
 Lys Arg Arg Asn Ala Asp 305 Ile Leu Asn Glu Lys Ile Arg Glu Glu Leu 320  
 Gly Arg Ile Glu 325 Glu Gln His Arg Lys Glu Leu Glu Val Lys Gln Gln 335  
 Leu Glu Gln Ala Leu Arg Ile Gln Asp Ile Glu Leu Lys Ser Val Glu 340 350  
 Ser Asn Leu Asn Gln Val Ser 355 His Thr His Glu Asn Glu Asn Tyr Leu 365  
 Leu His Glu Asn Cys Met 370 Lys Lys Glu Ile Ala Met Leu Lys Leu 380  
 Glu Ile Ala Thr Leu Lys His Gln Tyr Gln Glu Lys Glu Asn Lys Tyr 385 400  
 Phe Glu Asp Ile 405 Lys Ile Leu Lys Glu Lys Asn Ala Glu Leu Gln Met 415  
 Thr Leu Lys Leu Lys Glu Glu Ser Leu Thr Lys Arg Ala Ser Gln Tyr 420 430  
 Ser Gly Gln Leu Lys Val Leu 435 Ile Ala Glu Asn Thr Met Leu Thr Ser 445  
 Lys Leu Lys Glu Lys Gln Asp Lys Glu Ile Leu Glu Ala Glu Ile Glu

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450 455 460

Ser His His Pro Arg Leu Ala Ser Ala Val Gln Asp His Asp Gln Ile  
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Val Thr Ser Arg Lys Ser Gln Glu Pro Ala Phe His Ile Ala Gly Asp  
 485 490 495

Ala Cys Leu Gln Arg Lys Met Asn Val Asp Val Ser Ser Thr Asp Ile  
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<210> 19  
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Met Pro Leu Cys Thr Ala Thr Arg Ile Pro Arg Tyr Ser Ser Ser Ser  
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Asp Pro Gly Pro Val Ala Arg Gly Arg Gly Cys Ser Ser Asp Arg Leu  
 20 25 30

Pro Arg Pro Ala Gly Pro Ala Arg Arg Gln Phe Gln Ala Ala Ser Leu  
 35 40 45

Leu Thr Arg Gly Trp Gly Arg Ala Trp Pro Trp Lys Gln Ile Leu Lys  
 50 55 60

Glu Leu Asp Glu Cys Tyr Glu Arg Phe Ser Arg Glu Thr Asp Gly Ala  
 65 70 75 80

Gln Lys Arg Arg Met Leu His Cys Val Gln Arg Ala Leu Ile Arg Ser  
 85 90 95

Gln Glu Leu Gly Asp Glu Lys Ile Gln Ile Val Ser Gln Met Val Glu  
 100 105 110

Leu Val Glu Asn Arg Thr Arg Gln Val Asp Ser His Val Glu Leu Phe  
 115 120 125

Glu Ala Gln Gln Glu Leu Gly Asp Thr Val Gly Asn Ser Gly Lys Val  
 130 135 140

Gly Ala Asp Arg Pro Asn Gly Asp Ala Val Ala Gln Ser Asp Lys Pro  
 145 150 155 160

Asn Ser Lys Arg Ser Arg Arg Gln Arg Asn Asn Glu Asn Arg Glu Asn  
 165 170 175

Ala Ser Ser Asn His Asp His Asp Asp Gly Ala Ser Gly Thr Pro Lys

1 cont.

180 185 190

Glu Lys Lys Ala Lys Thr Ser Lys Lys Lys Arg Ser Lys Ala Lys  
 195 200 205

Ala Glu Arg Glu Ala Ser Pro Ala Asp Leu Pro Ile Asp Pro Asn Glu  
 210 215 220

Pro Thr Tyr Cys Leu Cys Asn Gln Val Ser Tyr Gly Glu Met Ile Gly  
 225 230 235 240

Cys Asp Asn Asp Glu Cys Pro Ile Glu Trp Phe His Phe Ser Cys Val  
 245 250 255

Gly Leu Asn His Lys Pro Lys Gly Lys Trp Tyr Cys Pro Lys Cys Arg  
 260 265 270

Gly Glu Asn Glu Lys Thr Met Asp Lys Ala Leu Glu Lys Ser Lys Lys  
 275 280 285

Glu Arg Ala Tyr Asn Arg  
 290 294